

# HIMANSHU SINGH

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## SUMMARY

Motivated B.Tech student in Electronics and Communication Engineering (ECE) at IIIT Una, with strong foundations in Machine Learning, NLP, and data Science. Experienced with Flask, BeautifulSoup, and TensorFlow through personal and academic projects. Eager to apply my problem-solving skills and enthusiasm to contribute to real-world projects as a **fresher**.

## EDUCATION

- Bachelor of Technology (B.Tech) in Electronics and Communication Engineering  
Indian Institute of Information Technology (IIIT) Una  
CGPA: 8.64
- Higher Secondary (12th)  
UP Board | Percentage: 94.6%  
School: GSAS Academy, Harraiya, Basti
- Secondary (10th)  
UP Board | Percentage: 93.5%  
School: GSAS Academy, Harraiya, Basti

## PERSONAL PROJECTS

- **Diabetes Prediction (Machine Learning):** Built a machine learning model to predict diabetes using algorithms like **SVC**. Preprocessed medical data (age, BMI, glucose levels) and optimized the model for higher accuracy, achieving **82%** performance on test data . Used Flask as backend and HTML , CSS for frontend.
- **Sentiment Analysis on movie reviews (neural network,LSTM) :**Developed an LSTM-based sentiment analysis model to classify movie reviews as positive or negative. Cleaned and tokenized text, trained the model, and achieved **86%** accuracy in sentiment classification.
- **Study plan ChatBot (Dialogflow framework):** Created a chatbot using Dialogflow to generate personalized study plans for students based on preferences.Used flask as backend.
- **Web Scraping - Internshala Internship Analysis :** Build a dataset and extract internship data from **Internshala** using **BeautifulSoup**.Posted dataset to kaggle.
- **Usability Hub Clone:** Developed a clone of the **UsabilityHub** platform using HTML and CSS.

## TECHNICAL SKILLS

**Programming Languages:** Proficient in C++, Python; Familiar with JavaScript

**Machine Learning & NLP :** Supervised & Unsupervised Learning, Sentiment Analysis, LSTM, CNN, Word Embeddings (Word2Vec),data preprocessing,etc .

**Frameworks & Libraries:** Flask, TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup, Bootstrap .

**Web Technologies:** HTML5, CSS3, JavaScript, REST.

**Other Skills:** Problem Solving, Data Structures and Algorithms, Web Scraping

## ACHIEVEMENTS

- Achieved a rating of 1600+ with 550+ DSA questions on Leetcode.
- 3 stars at codechef with max rating of 1612 .